PUG NEWS
by George Mockridge

Sunset Electronics has just received two new books dealing with hardware projects designed around the complete family of Timex/Sinclair computers. The first is titled "Computer Interfacing Techniques in Science with Experiments for the T/S Computers" by Paul E. Field and John A. Davies. The second one is called "Powerful Projects with Your Timex/Sinclair" by Jim Stephens. Both are price at a modest $9.95.

Sunset has also lowered the price of Bob Orrfelt's DOCK-IT manual to $14.95. Also known as the "EPROM Programmer Manual for the 2068 Computer with ROM Disassembly", at least one copy of this work belongs in the library of every User Group in the country.

One of our out-of-town members needs some help. He asks if anyone knows the codes to use for the Gorilla Bananna printer with Tasman Interface (type B) and the 2068. He has looked in all the books and manuals, but could not find the answer. If anyone out there can help, please contact: Stan Hooper, 1076 Mahanna Ave., Long Beach, CA 90813.

Elsewhere in this issue, there should be a letter from Robert Kelly who is working on a T/S Technical Literacy Series at a prison in Nevada. I would like to find a vounteer at our next meeting who would serve as a liaison between Mr. Kelly and PUG. You would correspond with Bob and relay his needs to the group so we could organize help. This will be the third time we have udertaken a project of this type and the first two were quite successful. Please read the letter and consider volunteering at our Jan. 19th meeting.

SVSTUG NEWS
by Bill Miller

* The 851231 SVSTUG meeting was lightly attended (3). Maybe New Years Eve had something to do with it.

Fred Griswold reports he is looking for the cheapest possible computer and 'C' compiler combination. Can anyone help?

* The 851226 SVSTUG workshop meeting was also lightly attended (2).

Margaret Finney was able to get her Tasword II program customized to work with the Aerco Centronics Interface.

* Since the Great Western Savings meeting room is no longer available, the SVSTUG workshop meetings will be discontinued.

Upcoming 7:00 PM meetings at:

Cupertino library
10400 Torre Avenue
(Between Rodrigues and Pacifica)

January 29, Wednesday

February 25, Tuesday

April 1, Tuesday (This is the Meeting for March)

* Thanks to George Coronado for contributing an interface PC Board (Bare) for the TS1000. Can anyone help with the instructions? They are in German!!

EBZUG NEWS
by Rick Link

(Editor's Note: Rick's column on East Bay activities will resume in the next issue.)

FOR THE AMUSEMENT OF YOUR MEMBERS WHO ENJOY AN OCCASIONAL GAME OF SKILL AND CHANCE, I PRESENT MY ADAPTATION OF THE GAME OF "YAHTZEE". THIS GAME IS COPYRIGHTED BY THE E.S. LOW COMPANY, INC. THIS BEING THE CASE, THIS PROGRAM CAN NOT BE MARKETED FOR SALE.

PROGRAMMING NOTES....... THE GRAPHICS USED FOR DISPLAYING THE DICE ARE SOME-WHAT DIFFICULT TO INTERPRET FROM THE LISTING. I HAVE PROVIDED A TAPE OF THIS PROGRAM WHICH IS INTENDED TO BECOME A PART OF YOUR TAPE LIBRARY. THE REST OF THE LISTING IS STRAIGHTFORWARD AND SHOULD PRESENT NO PROBLEMS.

AFTER ENTERING THE PROGRAM, SAVE IT BY ENTERING GOTO 9998. AFTER THE SAVE IS COMPLETE, THE PROGRAM WILL AUTO-RUN.

PLAYING THE GAME......... THE PROGRAM STARTS WITH A TITLE SCREEN AND MENU. YOUR 2 OPTIONS ARE; 1). GAME INSTRUCTIONS 2). START GAME. THE GAME INSTRUCTIONS ARE AN ABBREVIATED VERSION OF THOSE SUPPLIED WITH THE TRADITIONAL "YAHTZEE" GAME PACKAGE. NOTE: A COPY OF THE COMPLETE INSTRUCTION ARE PROVIDED ALONG WITH THE LIBRARY TAPE. THE "START GAME" OPTION ADVANCES YOU TO THE NEXT SCREEN, WHICH INFORMS YOU OF WHICH ROUND YOU ARE ON, AND THE NUMBER OF ROUNDS REMAINING. (THERE ARE A TOTAL OF 13 ROUNDS). AFTER A SHORT PAUSE, YOU ARE ADVANCED TO THE FIRST DICE DISPLAY. THE DICE DISPLAY SCREEN HAS SEVERAL PROMPTS TO GUIDE YOU. THESE ARE; 1). WHICH ROLL YOU ARE ON. (THERE ARE 3 ROLLS PER ROUND). 2). YOU ARE ASKED TO ENTER THE LETTER CODES OF THE DICE WHICH YOU WOULD LIKE TO RE-ROLL. YOU MAY ENTER ANY, ALL, OR NONE, DEPENDING ON YOUR GOAL FOR THAT ROUND. ENTER THE LETTER "F" TO TELL THE COMPUTER WHEN YOU HAVE FINISHED YOUR SELECTIONS. THE LAST PROMPT TELLS YOU TO ENTER THE LETTER "S" IF YOU WISH TO SEE YOUR SCORE SCREEN.

THE SCORE SCREEN......... THERE ARE 2 OPTIONS AT THE TOP OF THE SCORE SCREEN. PRESS THE LETTER "N" FOR A NEW ROLL. OR, PRESS "R" TO RETURN TO YOUR PREVIOUS DICE ROLL. THESE TWO ENTRIES ARE SINGLE LETTER KEY STROKES. ENTER KEY NOT REQUIRED. THE SCORE SCREEN SHOWS YOU THE 13 CATAGORIES WHICH YOU MUST ATTEMPT TO FILL. THE SCORE SCREEN IS DIVIDED INTO TWO SECTIONS, UPPER AND LOWER.

BONUS POINTS......... IF YOU ACHIEVE A TOTAL SCORE OF 63 OR HIGHER IN THE UPPER SECTION, YOU WILL AUTOMATICALLY BE CREDITED WITH A BONUS OF 35 POINTS.

SCRATCHING........... THERE ARE OCCASIONS WHEN YOU FALL SHORT OF YOUR GOAL. WHEN THIS HAPPENS, THE ONLY OPTION YOU HAVE IS TO TAKE A "ZERO" IN ONE OF THE CATAGORIES YOU HAVE NOT AS YET FILLED. IF YOU MUST "SCRATCH", KEEP TRACK OF WHICH ONE(S) ON A SCRAP OF PAPER. THIS PROGRAM WILL NOT AS YET DO THIS FOR YOU.

OTHER PROMPTS........ THE DICE DISPLAY SCREEN PROVIDES ALL OTHER INSTRUCTIONS YOU NEED AS WHEN AND HOW TO INPUT YOUR SCORE FROM EACH ROUND.

THIS IS AN INTERESTING AND SOMETIMES AGGRAVATING GAME... HAVE FUN WITH IT.

D.B. DOCKER
M.D.U.G. (MOJAVE DESERT USERS GROUP)
POST OFFICE BOX: 87
EDWARDS, CA. 93523

EDITOR'S NOTE: A TAPE COPY OF DOCKER'S ADAPTATION OF "YAHTZEE" IS AVAILABLE AT THE PUG/SVSTUG LIBRARY.

BACKGROUND INFO: The following letter was sent to me, but it really addresses all the PUG members. For the last couple of years, we have provided TS 1000/1500 hardware and software support to a couple of inmates of the Nevada prison system. We even obtained a complete programming course from the National Educational Corp. for this project. Robert Rhodes, our first contact, moved on to a disk based Atari system. We then became involved with Ron Hummel who now operates a Kaypro system for one of the prison offices. Robert and Ron have now helped a couple more inmates to get involved with T/S computing. I hope we will all continue to provide assistance for this worthwhile project.   George Mockridge

December 25, 1985 (Christmas)

Dear George,

I have wanted to write this letter for a few weeks now, but have been so enthralled by the 1500 and Literacy Series you sent Ron that I about lost all my good sense. I am having the greatest time with this series and set, you can't believe.

I guess I ought to introduce myself before I get to carried away. I'm Bob Kelly and work with Ron in our second office, which is the "Street Readiness Program" here at Southern Desert Correctional Center. Our program under the Department of Parole and Probation provides one of the finest pre-release programs in the United States for offenders re-entering the community. I am fortunate enough to be its Coordinator here at SDCC. I am a long term con who has been down for approximately 13 years.

When I came into prison over a decade ago, there were no such things as micro-computers and users groups, or nice folks who would share such a wonderfull thing with those of us who have failed our society in some form, or other. Let me tell you, this is something that I have wanted to learn for so many years, but have been unable to, because of the ridgid financial restrictions imposed by a prison setting.

Ron and I have done a considerable amount of time together and I have known Robert for many, many years also.

I have also got a good friend who is learning on the TS 1000 you sent Ron some time ago. He is 1 series behind me on the Technical Series. So you can believe that the gracious gift you supplied us is being used to the fullest extent.

The literacy series is just a super course and has opened up a whole new life for me in here. I'm realling chunking out the a.m.'s and p.m.'s and have got to the point where I'm programming every thing from my shower times to class schedules and other sundry experiments. Your gift has opened up a fantastic world for all of us in here and you should know how deeply we appreciate your kindness. Obviously we can't reimburse you right away, but I think it would please you to know how invaluable your gift has been.

I made a pact with myself, and that was I must score a 100% on each of the 11 series on the Technical Literacy Series, or I must do each one of them over again. That gets a little hairy around series 10, or 11, but I'm having a ball.

I have literally cut the rest of the world off. Poor Mom, she hasn't got a letter in over a month. I talked to her last night and it sounded like she might have forgot who I was. My girlfriend says she doesn't mind the competition now that she has found out it wasn't a blonde.

I always thought computer nuts were a little weird, now I know why. Its fun being nuts. All kidding aside, this has been a great source of enjoyment and knowledge. It gives us old timers a chance to stay in tune with the world outside, but more importantly lets us know that their are some really fine folks out there who really care. Thats the greatest gift. I will keep in touch from time to time and hope that your Christmas was a good one and that all good things come this new year.

Yours Truly,

BOB KELLY

ROBERT DALE KELLY #12415
P.O. BOX 208 SDCC
INDIAN SPRINGS, NEVADA 89070

TIMELINEZ

PART 1 OF AN ARTILCLE SENT TO US
BY ED.GREY OF THE L.A. T/S GROUP.

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NEW DEVELOPMENTS
IN TIMEX/SINCLAIR
TELE-COMMUNICATIONS

Timex and Bulletin Board Systems (BBS):

A Bulletin Board System is a computer/modem combination, running special software which allows other computer/modems to access and leave messages on the system via the telephone lines. There are several local BBS's (in the Los Angeles area) which support Timex computers to varying degrees. The names and phone numbers of some of these follow:

The TIME-=(X)=-CHANGE BBS (213) 329-3922 is the biggest and the best. Operated by our own Dave Clifford, it is a Timex-dedicated BBS. There are many, many files and utilities online, with much room for messages between the many Timex users that sign on from all over the country. Dave just added a 25-Meg hard disk to his system, so there is a lot of room for more users. There is support for all T/S computers online here.

The Average Remote BBS (213) 325-0213 has a sub-board which was the first Timex sub-board west of the Mississippi with U/L and D/L capabilities for Timex-Sinclair computers. The operator of this BBS also recently added a hard disk... (35-Megs on this one!) And here too, there are many files and utilities for both the T/S-1000 (1500, ZX-81) group and the T/S-2068 available for downloading, with plenty of space to upload more. We have a continually-revolving message base (the most recent messages are the lowest-numbered ones, contrary to most other boards), so don't be shy. Jump right in and feel free to read and leave messages and upload and download files. There's plenty of room! The T/S sub-board is "Segment 4" on the Average Remote BBS and is The "Original" TIME(X)CHANGE. I am the remote Sysop of this sub-board.

Here are some other BBS's (outside Southern California) that provide Timex files, sections and/or sub-boards:

Zebra Systems BBS (Woodhaven, L.I., N.Y.) (718) 296-2229 (M-F after 5 p.m. eastern time and 24 hours on weekends).

Micro Systems BBS (Boca Raton, Fla.) (305) 737-1590....This BBS is operated by the writers of Mterm software for the Westridge 2050 Modem and Mscript Word Processor software as used on T/S-2068 computers.

ZX Forum BBS	(W. Palm Beach, Fla.)	(305) 439-5077
Coconut BBS	(Cincinnati, Ohio)	(513) 984-8705
Omni-net BBS	(Queens, L.I., N.Y.)	(718) 296-2385
Mini-Bin BBS	(Brooklyn, N.Y.)	(718) 837-2881
Owego Free Academy	(Endicott, N.Y.)	(607) 754-3420
Shuttle Express BBS	(Seattle, Wash.)	(206) 762-5141

In the "Pay For Service" category is:

CompuServe with local access numbers nationwide. You must first buy a "Starter Kit". The price ranges from $19.00 to $39.00, so shop around. This kit gives you a temporary password to CompuServe and 5 hours of connect time. There is a large Timex SIG (special interest group) on CompuServe, with members from all over the country. Once on line, type "Go Club" at any command prompt and you will be in the SIG. The Timex section is #4 within the SIG. There are files for uploading and downloading and a wealth of Timex-related messages to read from all across the United States and Canada. On Wednesday nights at 10 P.M. eastern time, there is a conference between T/S enthusiasts, including software and hardware dealers, as well as individuals "chatting" with each other. Anyone may join in.   Try it, you might like it. At about $25.00 for the starter kit, it is worth the experience. Lots of other things besides Timex online too. Everything from Airline schedules to word processing (I couldn't think of anything beginning in "Z"), is available online (for a small connect charge). The charges, after the 5 hours, are about $6.25 per hour (or approximately 10 cents a minute.) The charges can add up, so "Let the Buyer Beware".

PC Pursuit:

GTE Telenet has recognized the need for, and the profit potential of, a data transmission service for individual PC users nationwide. This service, called "PC Pursuit", is the first attempt by a major tele-communications network to make available to personal computer/modem users an inexpensive method of nationwide communication. PC Pursuit, for a fee of $25.00 monthly, will allow you unlimited modem-to-modem connect time (between the hours of 6 p.m. and 7 a.m. weekdays and 24 hours on weekends & holidays), between any of the following area codes:

Atlanta (404)	Denver (303)	New York (212)
Boston (617)	Detroit (313)	Philadelphia (215)
Chicago (312)	Houston (713)	San Francisco (415)
Dallas (214)	Los Angeles (213)	Wash DC (202, 703)

GTE plans to add other areas as the demand arises. Complete information on PC Pursuit can be obtained (via modem) by calling 1-800-835-3001, or 1-800-368-4215 (voice).

The "Timex Network" via FIDO:

The "Timex Network" is growing, albeit slowly. FIDO is a group of computer owners (approx 350, worldwide) that have established a communications network. Anyone with a computer/modem combination can use it, hence the "Timex Communication Network" via FIDO. If you have an interest in inexpensive (25 cents per message) communications nationwide, then log onto your local FIDO and join the network.   The numbers of some local FIDOs in the 213 area code are: 204-2996, 402-6217, 618-8454, 733-7059, 615-8105, 207-3295, 644-1963, 376-9567, and finally, 874-9484. You may send FIDO mail to me, Ed Grey, at Net 102 / Node 109. Messages may also be sent to me (via modem) through (213) 325-0213 or (213) 329-3922. (These latter 2 numbers are the numbers of 2 of the bulletin boards mentioned earlier.)

TRANSFER FILES WITHOUT RETYPING PROFILE 2068

By: ROD BOWEN

If you, like me, purchased a new copy of PROFILE 2068 with all of the modifications already in it, you have found yourself with the task of retyping everything in your files into the new copy.

NOT NECESSARY!!!

The book is not too clear on how to transfer files, so here is how to do it. These are direct from the author, THOMAS B. WOODS with many thanks.

FIRST PHASE: Load your original file, the one you have filled, and do the following.

Break into BASIC by DELETEing the left quotes and ENTERing STOP.

With BASIC LISTing on screen, enter PRINT p. This will tell you how many BYTES of data are in D$, which is your file. Write this number down.

Then type in this line:

PRINT PEEK 23627+256*PEEK 23628

Write down the answer you get and add 6 (six) to it. This number is the starting ADDRESS of your files. With this information you can now SAVE your files as raw BYTES by using the following direct command:

SAVE "FN"CODE AAAAA,BBBB

"FN" stands for FILENAME, the AAAAA stands for the ADDRESS, the BBBB stands for the number of BYTES, all of which you found by the method above.

Once you have SAVEd the raw BYTES you can now reset the 2068 by turning it off and back on.

SECOND PHASE: Now LOAD the new version of PROFILE 2068 into the 2068 and proceed as follows:

Go to BASIC as you did before and repeat the procedure to find the starting ADDRESS of your file area in memory. It will be a different number than with the first file. Write this number down for use in LOADing your files. That line again, was:

PRINT PEEK 23627+256*PEEK 23628

As before, add 6 (six) to the answer and you have the starting ADDRESS of the area to which you want to put your files. Use the following line to LOAD your file DATA into the new version:

LOAD "FN"CODE AAAAA,BBBB

Again, the "FN" is the FILENAME, the AAAAA is the ADDRESS in the NEW PROFILE, and the BBBB is the number of BYTES that you SAVEd from the first PROFILE.

After your DATA is LOADed, you must enter the following line:

LET P=BBBB

This will reset your file size to accept the DATA. Once that is done, type in GO TO 1 and, if you have done it right, your files will be safely in the new version of PROFILE 2068 and look at how much typing was saved!

Try this for the 2068. This address is used to select the permanent colors for the screen.

It could be useful in your programing. Line 50 sets the screen for white paper and black ink. If this is a 7 you will have the oposite. Anything over 127 will be flashing. If you look more closely you will see that the first 2 lines are with the BRIGHT off. Then the next 2 it is on. The 3rd and 4th are flashing, but the 3rd has the BRIGHT off, and the 4th has it on.

What this boils down to is we can change the the current colors that are being printed to the screen. The address: 23693, is like any other byte, that is, 8 bits. The bits are used as follows.

```
10 FOR n=0 TO 255
20 POKE 23693,n
30 PRINT "*";
40 NEXT n
50 POKE 23693,120
```

BITS from most significant to least significant:

8th:(128) To determine if FLASH is on(1) or off(0).
7th:(64) To determine if BRIGHT is on(1) or off(0).
6th, 5th, & 4th:(32, 16, 8) Is for the PAPER color.
3rd, 2cd, & 1st:(4, 2, 1) Is for the INK color.

To make this easier you just have to remember to:
Multiply the FLASH (1 or 0) by 128.
Multiply the BRIGHT (1 or 0) by 64.
Multiply the PAPER (0 - 7) by 8.
Now add these values and add to it the INK (0 - 7).

For example: If you want PAPER to be green, and INK to be blue, then you would POKE 23693,33.
INK= 1(blue) PAPER=32(green=4*8)
BRIGHT=0(64*0) FLASH=0(128*0)
Thus: 0+0+32+1=33. Easy? Well, not at first but it could make it posible to change your colors easily in one fairly short routine. Try this:

```
10 REM I=INK
20 REM P=PAPER
30 REM F=FLASH
40 REM B=BRIGHT
50 INPUT "INK?";I: IF I>7 THEN GOTO 50
60 INPUT "PAPER?";P: IF P>7 THEN GOTO 60
70 INPUT "FLASH?";F: IF F>1 THEN GOTO 70
80 INPUT "BRIGHT?";B: IF B>1 THEN GOTO 80
90 LET A =(B*128)+(F*64)+(P*8)+I
100 POKE 23693,A
110 PRINT "TESTING",
120 GOTO 50
```

As you can see, if you set up the 4 variables (B,F,P,& I) it is posible to change the colors that are to be used next by just one or two lines!(line 90 is the key!) Well, HAVE FUN! Let me know if this has helped you any. I would also like to see some one write an article of this type to help us with other little known things such as this.

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COMPUTER CALENDAR

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J A N U A R Y
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11 North-West Computer Swap
    San Mateo County Fairgrounds
    San Mateo   10 am to 5 pm
    Admission: $5

19 Peninsula User Group   1:00
    Peninsula Hospital
    1783 El Camino Real
    Burlingame

23 East Bay Z80 User Group   7:30
    West Branch Library
    1125 University Avenue
    Berkeley

25 Bay Area Computer Swap
    Cow Palace   10 am to 5 pm
    Admission: $5

29 Silicon Valley User Group 7:00
    Cupertino Library
    10400 Torre Avenue
    Cupertino

F E B R U A R Y
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1 Computer Swap America
   Santa Clara County Fairgrounds
   San Jose   10 am to 6 pm
   Admission: $5

16 Peninsula User Group   1:00

25 Silicon Valley User Group 7:00

27 East Bay Z80 User Group   7:30

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THE COMPUTER SHOW
EVERY WEDNESDAY, 7 TO 8 P.M.
TV STATION KSTS, CHANNEL 48

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E B Z U G   EAST BAY Z80 USER GROUP
654 40TH STREET
RICHMOND, CALIFORNIA 94805
(415) 234-3310

PRESIDENT: RICK LINK

MEETINGS: FOURTH THURSDAY OF EACH MONTH, 7:30 P.M.
WEST BRANCH LIBRARY
1125 UNIVERSITY AVENUE, BERKELEY

MAKE CHECK FOR DUES PAYABLE TO "WOODY McPHEETERS".

P U G   PENINSULA USER GROUP
263 GATEWAY, NO. 107
PACIFICA, CALIFORNIA 94044
(415) 359-3198

PRESIDENT: GEORGE MOCKRIDGE

MEETINGS: THIRD SUNDAY OF EACH MONTH, 1:00 P.M.
PENINSULA HOSPITAL
1783 EL CAMINO REAL, BURLINGAME

MAKE CHECK FOR DUES PAYABLE TO "GEORGE MOCKRIDGE".

S V S T U G   SILICON VALLEY SINCLAIR TECHNOLOGY USER GROUP
6675 CLIFFORD DRIVE
CUPERTINO, CALIFORNIA 95014
(408) 253-3175

PRESIDENT: RITA CARR, (408) 738-2888, X-4579

MEETINGS: LAST TUESDAY OF EACH MONTH, 7:00 P.M.
CUPERTINO LIBRARY
10400 TORRE AVENUE, CUPERTINO

MAKE CHECK FOR DUES PAYABLE TO "SINCLINK".

SIX (SincLink Information eXchange)
GUTS/SV (Group Using Timex Sinclair of Silicon Valley),
Rita Carr's Newsletter Exchange, SVSTUG, TIMELINEZ
c/o Bill Miller, 1 408 253-3175, Information Co-ordinator
6675 Clifford Drive
Cupertino CA 95014-4330
USA

USA

First Class Mail